BIOTECHNOLOGY SYSTEMS BRANCH

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

10/674,087

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE-BELOW FOR ADDRESS.

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
 U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER, 1617 711 50	
ATTN: NEW RULES C	SUGGESTED CORRECTION SERIAL NUMBER: 16674087	
IWrapped Nuc Wrapped Ami	leies The number of	3£
2Invalid Line Le	ingth. The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3Misaligned Am Numbering	use space charge and 5 m amino acid is misaligned. Do not use tobact	
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please	7
5Variable Length	Sequence(s)contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6PatentIn 2.0 "bug"	A "bug" in Patentln version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentln would automatically generate this section from the the subsequent amino acid sequence. Please manually copy the relevant <220>-<223> section to Artificial or Unknown sequences.	
7Skipped Sequence (OLD RULES)	Sequence(s)missing. If intentional, please insert the following lines for each skipped sequence (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i)SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown).	
8Skipped Sequences (NEW RULES)	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence <400> sequence id number 6000	
10	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or section is required when <213> response is Unknown or	
2Patentln 2.0 p	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or Unknown." Please explain source of genetic material in <220> to <223> section. See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	• • • •
3	esulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence sting). Instead, please use "File Manager" or any other manual means to copy file to floppy disk. "can only represent a single nucleotide; "Xaa" can only represent a single amino acid	
	AMC - Biotechnology Systems Branch - 09/09/2003	



DATE: 07/16/2004

IFWO

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PATENT APPLICATION: US/10/674,087
                                                        TIME: 07:34:20
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                Output Set: N:\CRF4\07162004\J674087.raw
 3 <110> APPLICANT: et al., Chen
         Chen, et al.,
 6 <120> TITLE OF INVENTION: Compositions and Methods for Delivery of Short Interfering
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         and Short Hairpin RNA
 9 <130> FILE REFERENCE: 0492611-0507
11 <140> CURRENT APPLICATION NUMBER: 10/674,087
12 <141> CURRENT FILING DATE: 2003-09-29
14 <160> NUMBER OF SEQ ID NOS: 32
16 <170> SOFTWARE: PatentIn version 3.2
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RAW SEQUENCE LISTING

19 on erron summary 7/16/04

RNA

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RAW SEQUENCE LISTING
                                                          DATE: 07/16/2004
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                                      US/10/674,087
                                                          TIME: 07:34:20
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Opls see itent 10 on error summary sheet. RAW SEQUENCE LISTING DATE: 07/16/2004 TIME: 07:34:20 PATENT APPLICATION: US/10/674,087

Input Set : A:\MIT-0507.ST25.txt

Output Set: N:\CRF4\07162004\J674087.raw

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DATE: 07/16/2004

Springs PATENT APPLICATION: TIME: 07:34:20 US/10/674,087 Input Set : A:\MIT-0507.ST25.txt Output Set: N:\CRF4\07162004\J674087.raw 215 tcgagaaaaa acgataatat aactgcaaga tctcttgaat cttgcagtta tattatcqca 60 218 <210> SEO ID NO: 23 219 <211> LENGTH: 19 220 <212> TYPE: DNA 221 < 213 > ORGANISM: siRNA targeted to respiratory syncytial virus transcript (sense strand) 223 <400> SEQUENCE: 23 224 cgataatata actgcaaga 19 . 227 <210> SEQ ID NO: 24 228 <211> LENGTH: 19 229 <212> TYPE: DNA 230 <213> ORGANISM: siRNA targeted to respiratory syncytial virus transcript (antisense s€rand) 232 <400> SEQUENCE: 24 233 tcttgcagtt atattatcg 19 236 <210> SEQ ID NO: 25 237 <211> LENGTH: 55 238 <212> TYPE: DNA 239 (213) ORGANISM: oligonucleotide for construction of shRNA targeted to influenza virus PA transcript 241 <400> SEQUENCE: 25 242 tgcaattgag gagtgcctga ttcaagagat caggcactcc tcaattgctt ttttc 55 245 <210> SEQ ID NO: 26 246 <211> LENGTH: 59 247 <212> TYPE: DNA 248 213 ORGANISM: Oligonucleotide for construction of shRNA targeted to influenza virus PA transcript 250 <400> SEQUENCE: 26 251 tcgagaaaaa agcaattgag gagtgcctga tctcttgaat caggcactcc tcaattgca 59 254 <210> SEO ID NO: 27 255 <211> LENGTH: 9 256 <212> TYPE: DNA 257 <213> ORGANISM: (loop sequence for shRNA 259 <400> SEQUENCE: 27 260 uucaagaga . 9 263 <210> SEQ ID NO: 28 264 <211> LENGTH: 60 265 <212> TYPE: DNA 266 <213> ORGANISM: (shRNA targeted to influenza virus NP transcript 268 <400> SEQUENCE: 28 269 cgggguggau cuuauuucuu cggaggcagg uccacuccga agaaauaaga uccuucccug 60 272 <210> SEO ID NO: 29 273 <211> LENGTH: 60 274 <212> TYPE: DNA 275 <213 > ORGANISM: (shRNA targeted to GFP transcript 277 <400> SEQUENCE: 29 278 cgggguugcg cuccuggacg uagccgcagg uccaggcuac guccaggagc gcauucccug 60 281 <210> SEQ ID NO: 30 282 <211> LENGTH: 119 283 <212> TYPE: DNA 284 <213> ORGANISM: (hairpin RNA targeted to GFP and influenza virus NP transcripts 286 <400> SEQUENCE: 30 287 cgggguggau cuuauuucuu cggaggcagc gggguugcgc uccuggacgu agccgcaggu

RAW SEQUENCE LISTING

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/674,087

DATE: 07/16/2004

TIME: 07:34:20

Input Set : A:\MIT-0507.ST25.txt

Output Set: N:\CRF4\07162004\J674087.raw

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RAW SEQUENCE LISTING ERROR SUMMARY

PATENT APPLICATION: US/10/674,087

DATE: 07/16/2004 TIME: 07:34:21

Input Set : A:\MIT-0507.ST25.txt

Output Set: N:\CRF4\07162004\J674087.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:17; Line(s) 165 · Seq#:18; Line(s) 174 Seq#:19; Line(s) 185 Seq#:20; Line(s) 194

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VERIFICATION SUMMARY

DATE: 07/16/2004

PATENT APPLICATION: US/10/674,087

TIME: 07:34:21

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